

### Analytical Methods, Practical Detection Limits (PDL), Containers, Preservation, and Holding Times for Selected Analytes

These analyses are recommended for those developing a new water supply as a source for drinking water. This test series should be run early in the development process, as the data may prove valuable in making informed decisions about whether to continue developing this source, types of water treatment, the water's suitability for other uses, etc. You must contact the lab at (307) 742-2984 for a price quote, sample bottles and sampling instructions prior to submitting samples.

Determination	1995 Std. Methods, 19th Ed.	EPA Method No.	PDL mg/L
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Cations			
Calcium	3111B		0.1

Magnesium	3111B		0.1
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Sodium	3111B		0.1
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Potassium	3111B		0.1
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Anions			
Alkalinity	2320B		

Chloride	4110B, 4500-Cl- F.	300.0	0.10
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Fluoride	4110B, 4500-F-F.	300.0	0.10
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Nitrate	4110B, 4500-NO	3	- C.
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Nitrite	4110B, 4500- NO	2	-C.
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Sulfate	4110B, 4500- SO	4	-C.
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Metals
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Copper	3111B		0.05
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Iron	3111B		0.05
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Lead	3111B	200.9	0.002
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Manganese	3111B		0.05
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Zinc	3111B		0.05
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Other			
Conductivity	2510B		1 uS/cm

Corrosivity	Calculated		
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Hardness, Calculated	2340B		1
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pH	4500-H+ B	150.1	
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Solids, TDS	by Summation		
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Total Alkalinity	Calculated		
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